

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/009848

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04B10/18

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 583 903 B1 (WAY DAVID G ET AL) 24 June 2003 (2003-06-24) column 2, line 33 - line 50 column 7, line 65 - column 8, line 35 column 10, line 1 - line 32 column 15, line 37 - column 18, line 47 -----	1-3,5-9, 12-14,16
Y	DJUPSJÖBACKA A.: "Calculation of Signal Outage due to Polarization Mode Dispersion" IEE PHOTONICS TECHNOLOGY LETTERS, vol. 13, no. 7, July 2001 (2001-07), pages 660-662, XP002315789 the whole document ----- -/-	1-3,5-9, 12-14,16

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the International search

31 January 2005

Date of mailing of the International search report

17/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	EP 1 376 907 A1 (ADAPTIF PHOTONICS GMBH) 2 January 2004 (2004-01-02) paragraph '0005! - paragraph '0015! paragraph '0019! - paragraph '0025! paragraph '0029! - paragraph '0032! figure 1 -----	1-9, 12-14,16
Y	US 2002/131129 A1 (MAO XIAOPING CHARLES) 19 September 2002 (2002-09-19) paragraph '0006! - paragraph '0008! paragraph '0010! - paragraph '0017! paragraph '0023! paragraph '0031! - paragraph '0045! claim 1 -----	1,3,5-9, 12-14,16
Y	SUNNERUD H ET AL: "Outage probabilities in PMD compensated transmission systems" ECOC '01, vol. 2, 30 September 2001 (2001-09-30), pages 204-205, XP010582631 the whole document -----	1,3,5-9, 12-14,16
A	EP 0 578 380 A1 (AMERICAN TELEPHONE AND TELEGRAPH COMPANY; AT&T CORP) 12 January 1994 (1994-01-12) column 3, line 56 - column 7, line 51 -----	1-16
A	BORODITSKY M ET AL: "IN-SERVICE MEASUREMENTS OF POLARIZATION-MODE DISPERSION AND CORRELATION TO BIT-ERROR RATE" IEEE PHOTONICS TECHNOLOGY LETTERS, IEEE INC. NEW YORK, US, vol. 15, no. 4, April 2003 (2003-04), pages 572-574, XP001175228 ISSN: 1041-1135 the whole document -----	1-16

**INTERNATIONAL SEARCH REPORT**  
**Information on patent family members**

International Application No  
**PCT/EP2004/009848**

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